

# **Idaho 4th Grade Direct Mathematics Assessment**

DISTRICT	BUILDING
<input type="text"/>	<input type="text"/>
I.D. NUMBER	<input type="text"/>
FIRST NAME	<input type="text"/>
LAST NAME	<input type="text"/>
SEX	RACE
<input type="text"/>	<input type="text"/>

STUDENTS DO NOT WRITE IN THIS AREA

<input type="radio"/> SPE	<input type="radio"/> LEP
<input type="radio"/> ACM	<input type="radio"/> MIG
<input type="radio"/> ADM	<input type="radio"/> TIA
<input type="radio"/> AAM	<input type="radio"/> NOD
<input type="radio"/> GAT	<input type="radio"/> HML

ROUND 1 TABLE _____ READER _____	ROUND 2 TABLE _____ READER _____
<input type="text"/>	<input type="text"/>
<b>FINAL</b>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**Your teacher will read the entire test to you before you begin.  
Do not use a calculator on this assessment.**

- 1.** Jason has a notebook to record the number of birds he studies each year. Last year he recorded 987 bluebirds, 834 robins, 566 sparrows, and 1,028 crows. 

a. How many birds did he record altogether last year? *Show or explain how you found your answer.*

b. How many more crows did Jason see than bluebirds? *Show or explain how you found your answer.*

c. Jason also saw 32 goldfinches each month. How many did he see at the end of four months? *Show or explain how you found your answer.*

d. Jason drew 21 birds in his notebook. He drew three birds on each page. How many pages did he need for all 21 birds? *Show or explain how you found your answer.*

**Read problems 2, 3, 4, and 5 on this and the next two pages. Select three problems to answer. Answer ALL of the parts of the three problems you select to answer. Cross out the one problem that you do not choose to answer.**

- 2.**

  - a. Using a ruler, construct (draw) a **quadrilateral** that is **2 inches** wide and **3 inches** long. Measure carefully.
  - b. Using a ruler, construct (draw) a **quadrilateral** that is **3 centimeters** wide and **6 centimeters** long. Measure carefully.
  - c. Construct (draw) your own geometric shape. **Label** the measurements of each side.
  - d. What kind of geometric shape did you draw in part c?

3. The students in Mrs. Taylor's class took a poll of their favorite types of books. The results are listed below.

Student	Type of Book	Student	Type of Book
Austin . . . . .	Adventure	Jason . . . . .	Biography
Logan . . . . .	Mystery	Calli . . . . .	Biography
Caitlyn . . . . .	Adventure	Seth . . . . .	Science Fiction
Brandon . . . . .	Mystery	Jade . . . . .	Adventure
Jose . . . . .	Adventure	Sean . . . . .	Science Fiction
Nicole . . . . .	Fantasy	Cielito . . . . .	Science Fiction
Paris . . . . .	Fantasy	Kortney . . . . .	Science Fiction
Nico . . . . .	Mystery	Payton . . . . .	Adventure

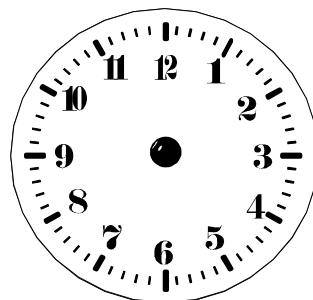
a. Use tally marks to show how many students choose each type of book.

b. Use the class information to make a graph. **Label** the graph.


c. Study the graph. Write **two facts** you learned from the graph.

4. Sam reads 20 minutes each day.

- a. How much time does he read in one week?  
*Show or explain how you found your answer.*



- b. Sam goes to bed at 8:45 PM. If he wants to read 20 minutes before going to bed, what time must he start reading? *Show or explain how you found your answer.*
- c. The next morning Sam finishes breakfast at 7:50 AM. If he starts reading at 7:50 AM, what time will he finish his reading for the day? *Show or explain how you found your answer.*

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5. There are three numbers in Chrissy's bicycle lock combination. They are 2, 7, and 9. Unfortunately, Chrissy cannot remember the correct order of the three numbers.

- a. List all possible ways the numbers could be ordered for Chrissy's lock.
- b. It takes Chrissy **30 seconds** to try each different order. If she has to try them all, how long will it take for her to open her lock? *Show or explain how you found your answer.*
- c. Nick's lock combination has four numbers: 2, 7, 9, and 5. How many possible ways might these numbers be ordered? *Show or explain how you found your answer.*